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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/538,212	06/09/2005	Erwin A Hijzen	NL 021417	1812
24737 7	7590 08/21/2006		EXAMINER	
PHILIPS INTELLECTUAL PROPERTY & STANDARDS			ULLAH, ELIAS	
P.O. BOX 3001				
BRIARCLIFF MANOR, NY 10510			ART UNIT	PAPER NUMBER
			2812	
			DATE MAILED: 08/21/2000	5

Please find below and/or attached an Office communication concerning this application or proceeding.

	Application No.	Applicant(s)					
	10/538,212	HIJZEN ET AL.					
Office Action Summary	Examiner	Art Unit					
	Elias Ullah	2812					
The MAILING DATE of this communication app		orrespondence address					
Period for Reply		0) 00 THOTY (00) 0 4) (0					
A SHORTENED STATUTORY PERIOD FOR REPLY WHICHEVER IS LONGER, FROM THE MAILING DA - Extensions of time may be available under the provisions of 37 CFR 1.13 after SIX (6) MONTHS from the mailing date of this communication. - If NO period for reply is specified above, the maximum statutory period w - Failure to reply within the set or extended period for reply will, by statute, Any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b).	ATE OF THIS COMMUNICATION 36(a). In no event, however, may a reply be timulated the second will expire SIX (6) MONTHS from cause the application to become ABANDONE!	I. lety filed the mailing date of this communication. D (35 U.S.C. § 133).					
Status							
1) Responsive to communication(s) filed on 05 Ju	<u>ine 2006</u> .						
, ==	,						
•	Since this application is in condition for allowance except for formal matters, prosecution as to the merits is						
closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213.							
Disposition of Claims							
4) Claim(s) <u>1-10</u> is/are pending in the application.							
4a) Of the above claim(s) is/are withdrawn from consideration.							
5) Claim(s) <u>1-9</u> is/are allowed.							
	6) ☐ Claim(s) <u>10</u> is/are rejected.						
7) Claim(s) is/are objected to.	r alastian raquiroment						
8) Claim(s) are subject to restriction and/or election requirement.							
Application Papers							
9) The specification is objected to by the Examine							
10)⊠ The drawing(s) filed on <u>09 June 2005</u> is/are: a)⊠ accepted or b)⊡ objected to by the Examiner.							
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).							
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d). 11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.							
Priority under 35 U.S.C. § 119							
12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of:							
1. Certified copies of the priority documents have been received.							
2. Certified copies of the priority documents have been received in Application No							
3. Copies of the certified copies of the priority documents have been received in this National Stage							
application from the International Bureau (PCT Rule 17.2(a)).							
* See the attached detailed Office action for a list	of the certified copies not receive	d.					
Attachment(s)		(DTO 440)					
1) Notice of References Cited (PTO-892) 4) Interview Summary (PTO-413) 2) Notice of Draftsperson's Patent Drawing Review (PTO-948) Paper No(s)/Mail Date							
3) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) Paper No(s)/Mail Date		atent Application (PTO-152)					

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DETAILED ACTION

This office action is in response to remarks filled on 6/5/2006.

Claim Rejections - 35 USC § 102

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

- (b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.
- 2. Claim 10 is rejected under 35 U.S.C. 102(b) as being anticipated by Beasom et al. EP 0801426.
- 3. As to claim 10, Beasom et al. EP 0801426 shows a trench MOSFET comprising: a drain region (Fig. 1, 102) of first conductivity type; a body region (103) over the drain region; a trench (106) extending from a first major surface though the body region; source regions (104) laterally adjacent to the trench at the first major surface; thermal gate oxide (112) on the side walls (107) of the trench; a gate electrode in the trench insulated from the body region by the gate oxide; characterized by a thick oxide plug formed of oxidized doped polysilicon at the base of the trench extending into the drain region (col. 5, lines 1-20).

Allowable Subject Matter

- 1. Claims 1- 9 are allowable.
- 2. The following is an examiner's statement of reasons for allowance: There is no prior art available or obvious motivation to combine elements of prior art which teach a

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method of thermally oxidizing the device to oxidize the polysilicon plug is oxidized to form an oxide plug at the base of the trench.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Elias Ullah whose telephone number is 571-272-1415. The examiner can normally be reached on 8-5PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, MICHAEL LEBENTRITT can be reached on (571)272-1873. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

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E. Ullah

SUPERVISORY PATENT EXAMINER